Rocket and weapon technology service in the command MB

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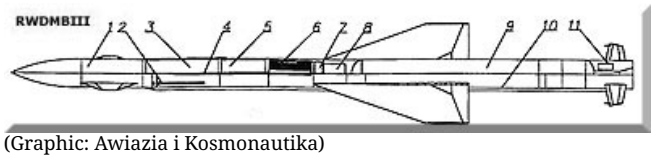
technique catalogue

R-23R air-to-air missile



(Graphic: Awiazia i Kosmonautika)

You are in:

RWD-MBIII
|-- Technology
|-- Other users
|-- LSK
|--R-23R

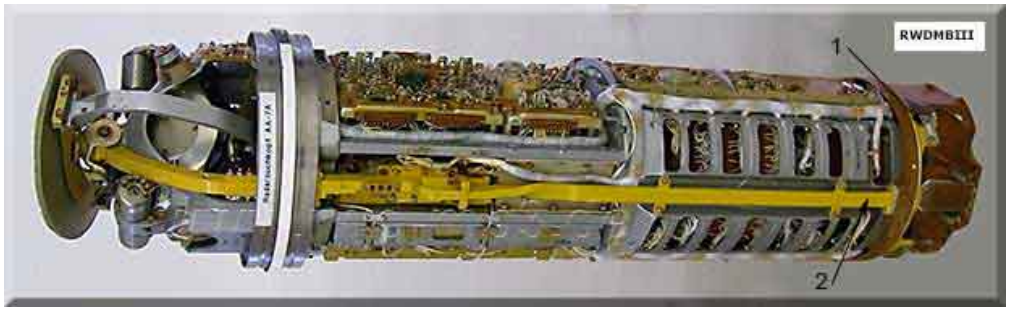
Structure:

1 Target search steering head
2 Radio fuze receiving antenna
3 Radio fuze
4 Radio fuze transmitting antenna
5 Autopilot
6 Combat component
7 turbo generator
8 gas generator
9 engine
10 gas duct
11 rudder drive

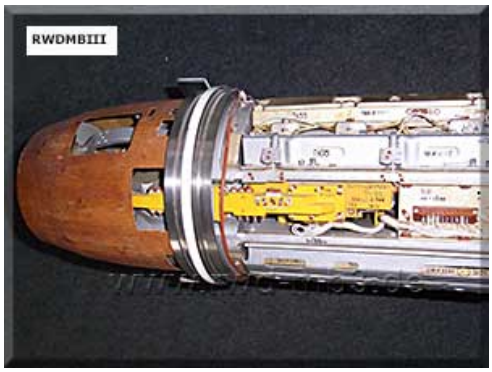
Purpose:
guided air-to-air missile with radio measuring head for medium distanc

techn. Data:
- Mass: 222 kg
- Length: 4460 mm
- Diameter: 200 mm
- Wing span: 1000 m
- Launch distance max.: 15/25 km
- Target speed. max: 2700 km/h
- guidance system: radar semi-active
- guidance method: proportional approach
- combat part with radio fuse
- mass combat part: 25 kg
- launch system on aircraft MiG-23

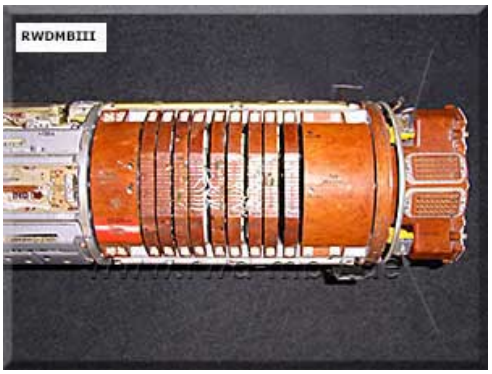
number list: 30 60 00
(product 340)



Radio measurement target seeker head and radio detonator
1 waveguide flange for radio detonator antenna
2 waveguides to the radiator for receiving the direct signal

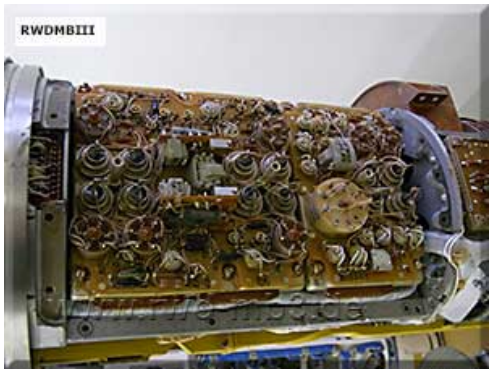


Blocks and assemblies of the

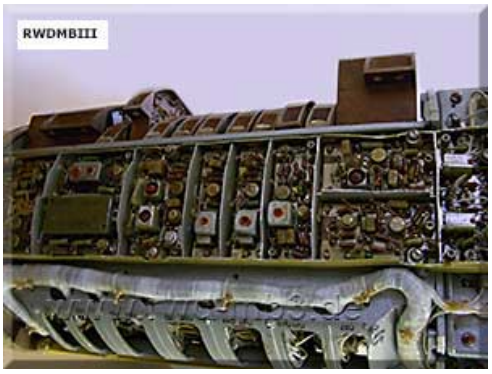


Blocks and assemblies of the radio fuze

radio measurement target seeker head



Assemblies view

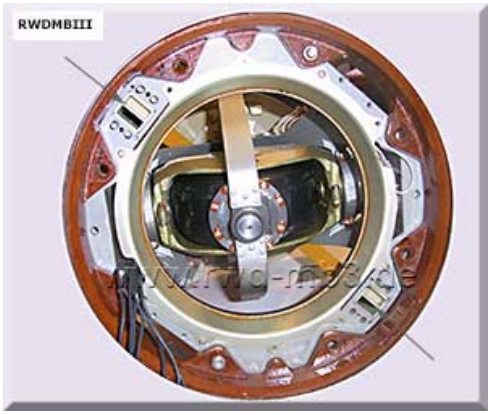


with waveguide connections for the antennas

Radio measurement
homing head and radio fuze with cover

Radio measurement
homing head and radio detonator without cover

Radiator and reflector
clearly visible, the small metal strips that are necessary for
an antenna based on the "Twist Cassegrain principle" . (secretprojects.co.uk/threads/r-23-r-24-r-27-aam.60/page-2)



Underside of the head part
clearly visible: gyroscope and waveguide flanges

headboard

1 On-board connector
2 Covers for the radio igniter antennas 3 Antennas for receiving the direct signal

Photos taken in the Telephone and Rocket Museum of the municipality of Pinnow , "NVA Exhibition Harnekop eV" and in the Kossa Military Museum